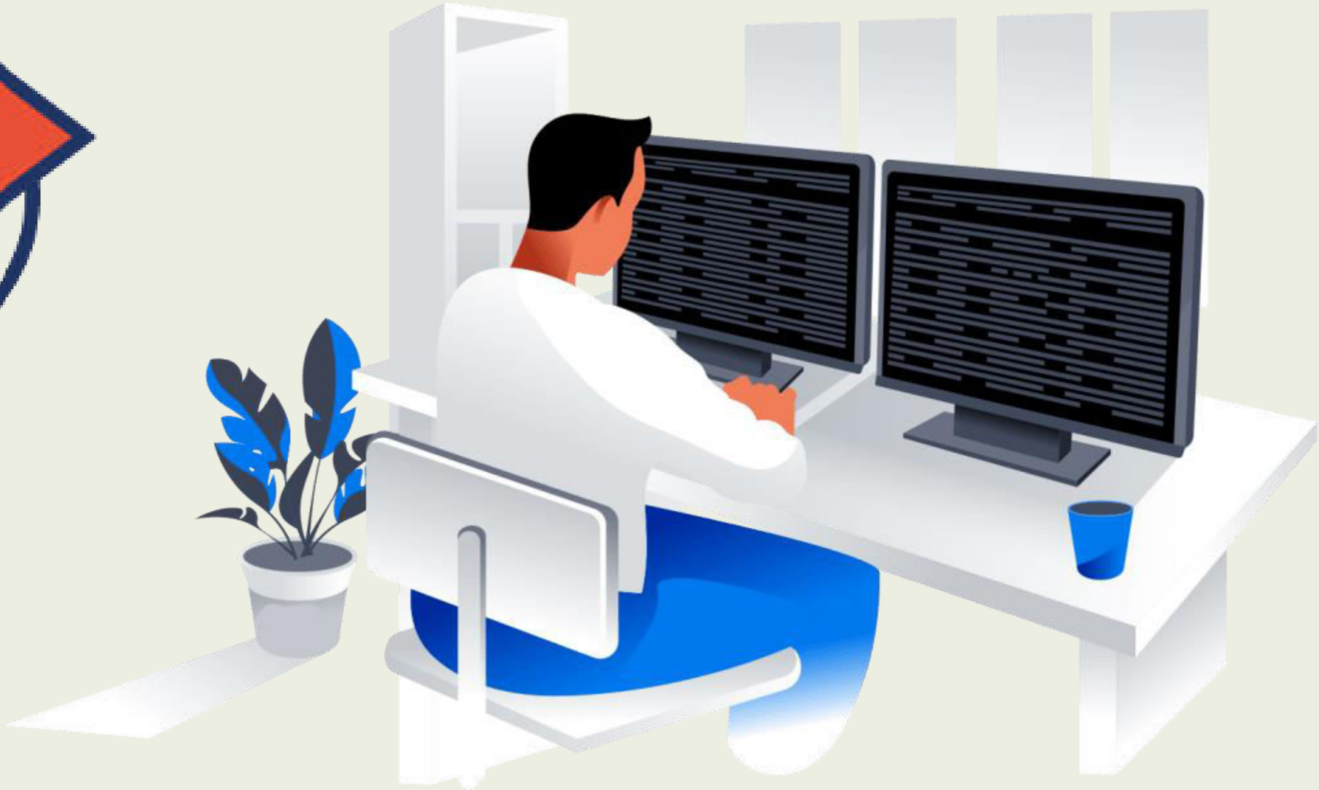
UNIVERSAL
WEB AUTOMATION FRAMEWORK

AGENDA

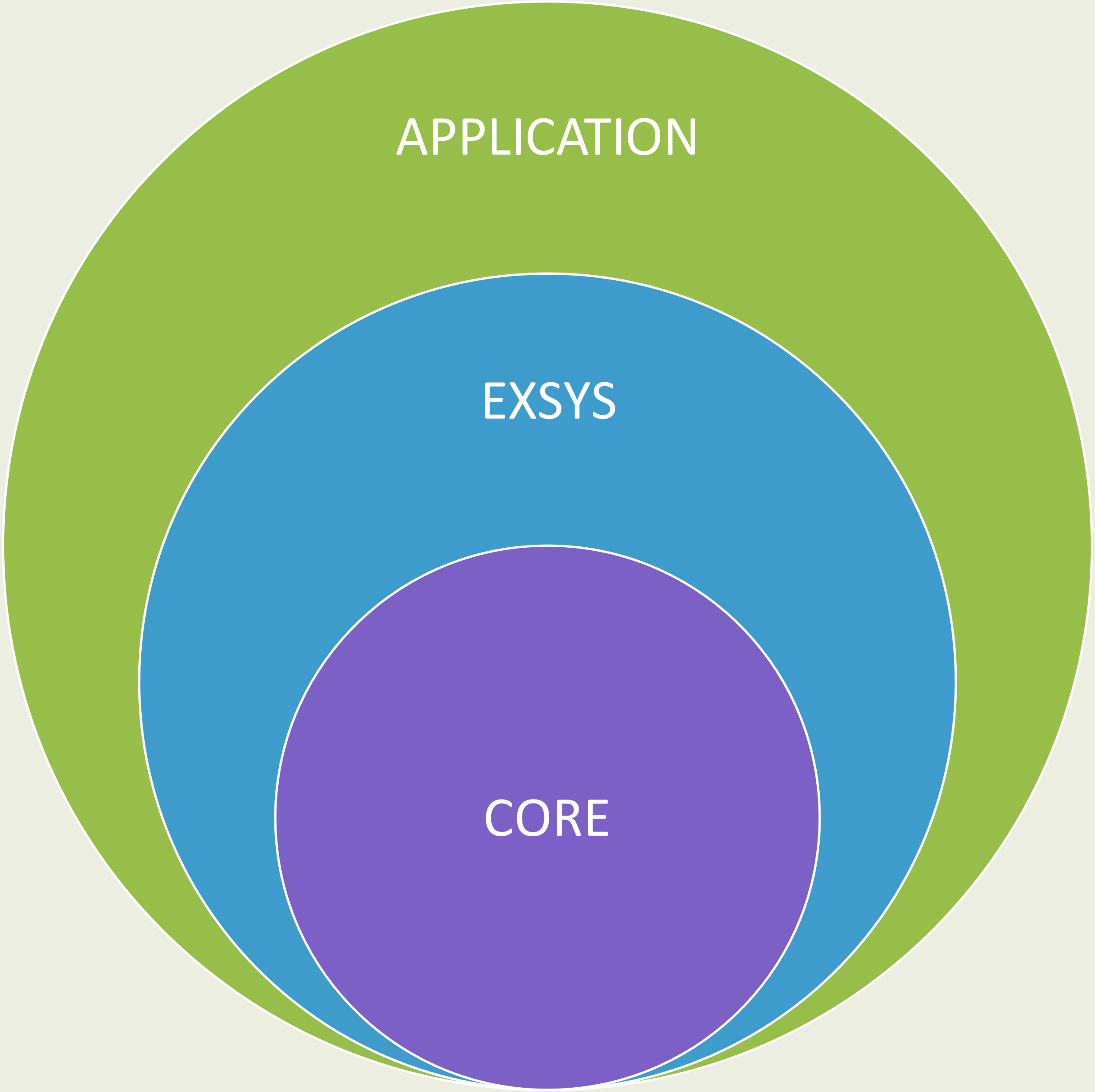
- Vision
- Architecture
- Test executions
- Reporting
- Tips
- Knowledge gap
- Examples

THE CHALLENGE



VISION

cucumber
Se
Java™
python
sonarqube
TestNG


APPLICATION
EXSYS
CORE

CORE

- Selenium Wrapper
- Browser capabilities
- Selenium GRID
- HTTP
- Listeners

BrowserStack

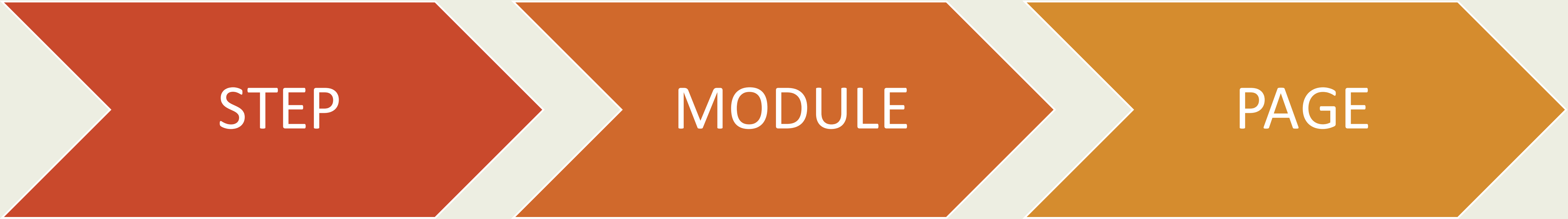
SAUCELABS

Testing at the speed of awesome.

EXSYS

- API
- HTTP
- Selenium
- Cucumber

APPLICATION



STEP

- Cucumber representation

MODULE

- User actions
- Data modification

PAGE

- Selectors
- Partial/Full page
- Verifications
- Base actions

Pros

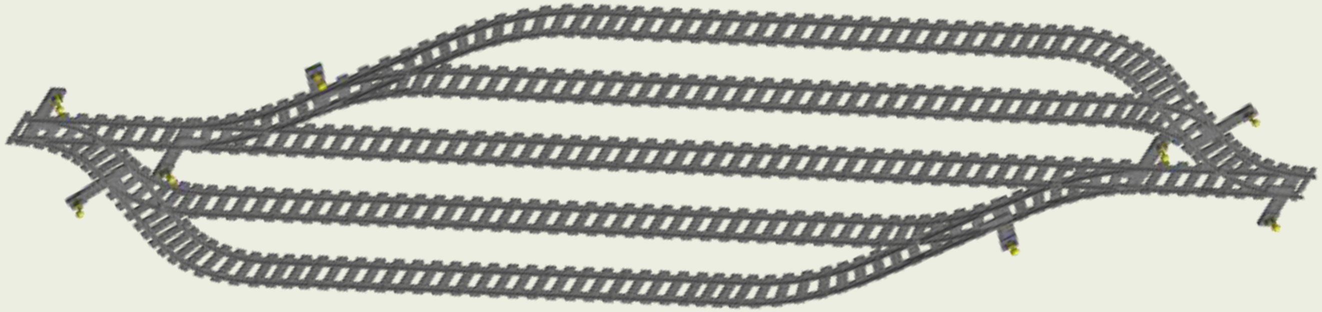
- Easy to maintain
- Easy to understand
- Low complexity

Cons

- Too many classes and packages
- PR conflicts

TEST EXECUTION

- CI/CD tool
- Schedule
- Parallel
- Gather information
- Think
- Rerun



REPORTING

804
SUPPLIERS
61%
CONTRACTED
39%
UNLISTED
Top Suppliers by Partner Status
8
Gold Partner
55
Silver Partner
100
Bronze Partner
5-Year-Trend
Total Spending
€2.113.507
Savings
€96.788
Foregone Savings
€52.536
RATE OF CONTRACT COMPLIANCE BY SUPPLIER CATEGORY
Category & Top Supplier
# Supplier
Share of managed suppliers by category
Category 1
Supplier 0056
610
75%
Category 2
Supplier 0149
15
47%
Category 3
Supplier 0007
105
74%
Category 4
Supplier 0208
20
74%
AVG. PROCUREMENT CYCLE TIME (IN DAYS)
0.7 d
5.2 d
1.3 d
Order Placement
Confirmation
Delivery
Invoicing
AVG. PROCUREMENT CYCLE (SUPPLIER CLASSIFICATION)
Nr. of Suppliers
% of Suppliers
385
289
Short
16%

Reporting

- Cucumber reports
- Auto updates
- Mapping with CI builds
- Generate reports from TCMS

XRAY

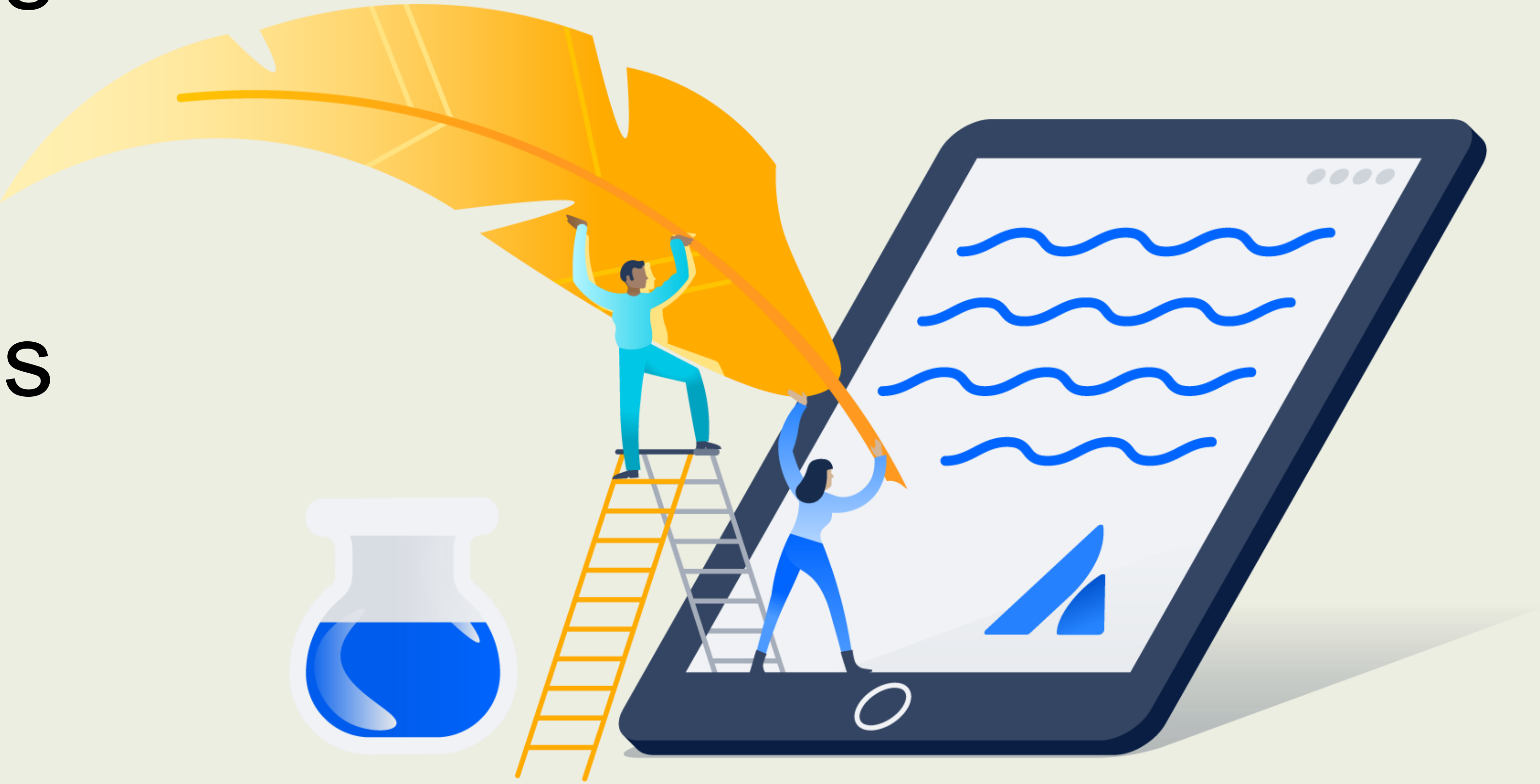
TestRail

python

TIPS

GOOD DOCUMENTATION

- Runtime options and values
- Runtime options dependency
- IDE setup

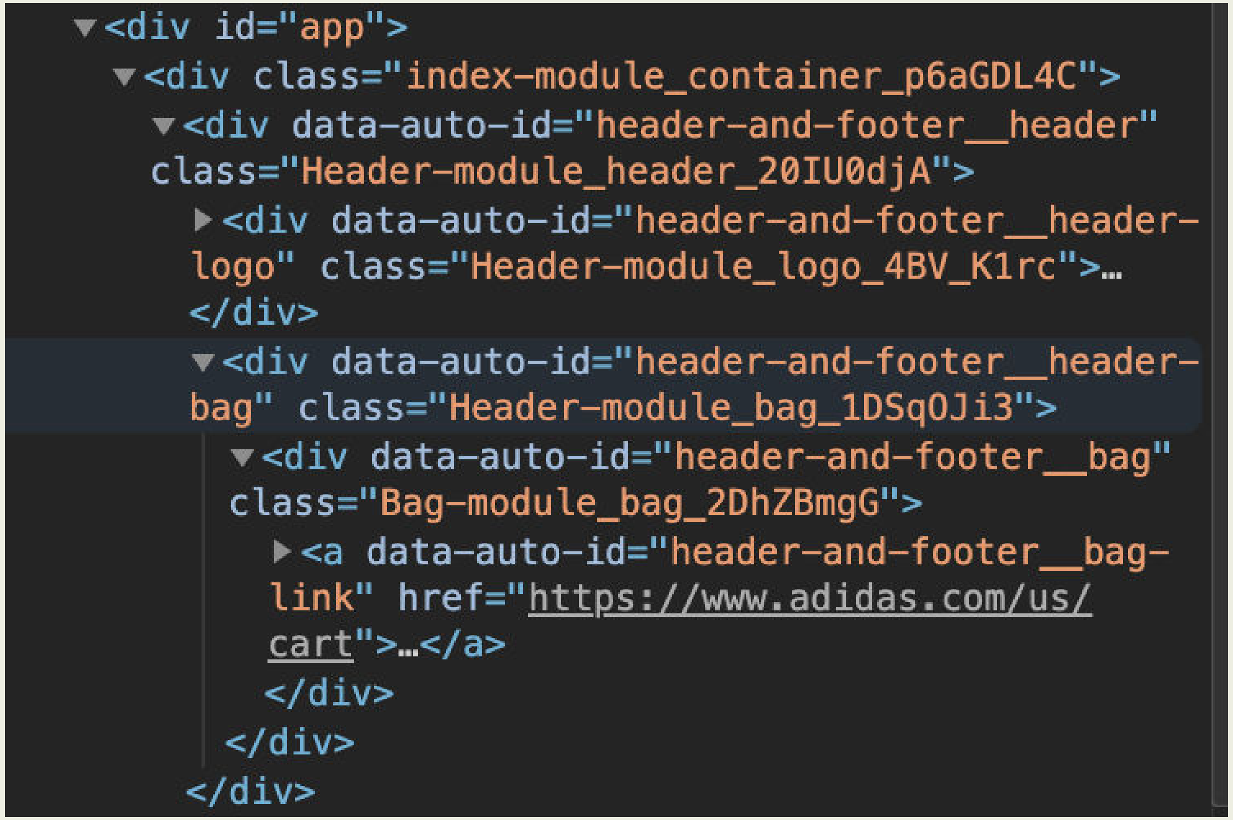


GOOD DOCUMENTATION

- Add coding examples
- Setting up CI jobs
- How to do analysis

DATA-AUTO-ID

- Custom attributes
- CSS independent
- HTML independent



```
▼<div id="app">
  ▼<div class="index-module_container_p6aGDL4C">
    ▼<div data-auto-id="header-and-footer__header"
    class="Header-module_header_20IU0djA">
      ▶<div data-auto-id="header-and-footer__header-
      logo" class="Header-module_logo_4BV_K1rc">…
      </div>
      ▼<div data-auto-id="header-and-footer__header-
      bag" class="Header-module_bag_1DSqOJi3">
        ▼<div data-auto-id="header-and-footer__bag"
        class="Bag-module_bag_2DhZBmgG">
          ▶<a data-auto-id="header-and-footer__bag-
          link" href="https://www.adidas.com/us/
          cart">…</a>
        </div>
      </div>
    </div>
```

BUILD COMMUNITY

- Automation chat / channel / group
- Friendly environment
- Remove any limitations
- Promote ideas / questions

KNOWLEDGE
GAP

ACTION PLAN

- Refer documentation
- Keep documentation up to date
- Enough time to read & play
- Knowledge sharing sessions

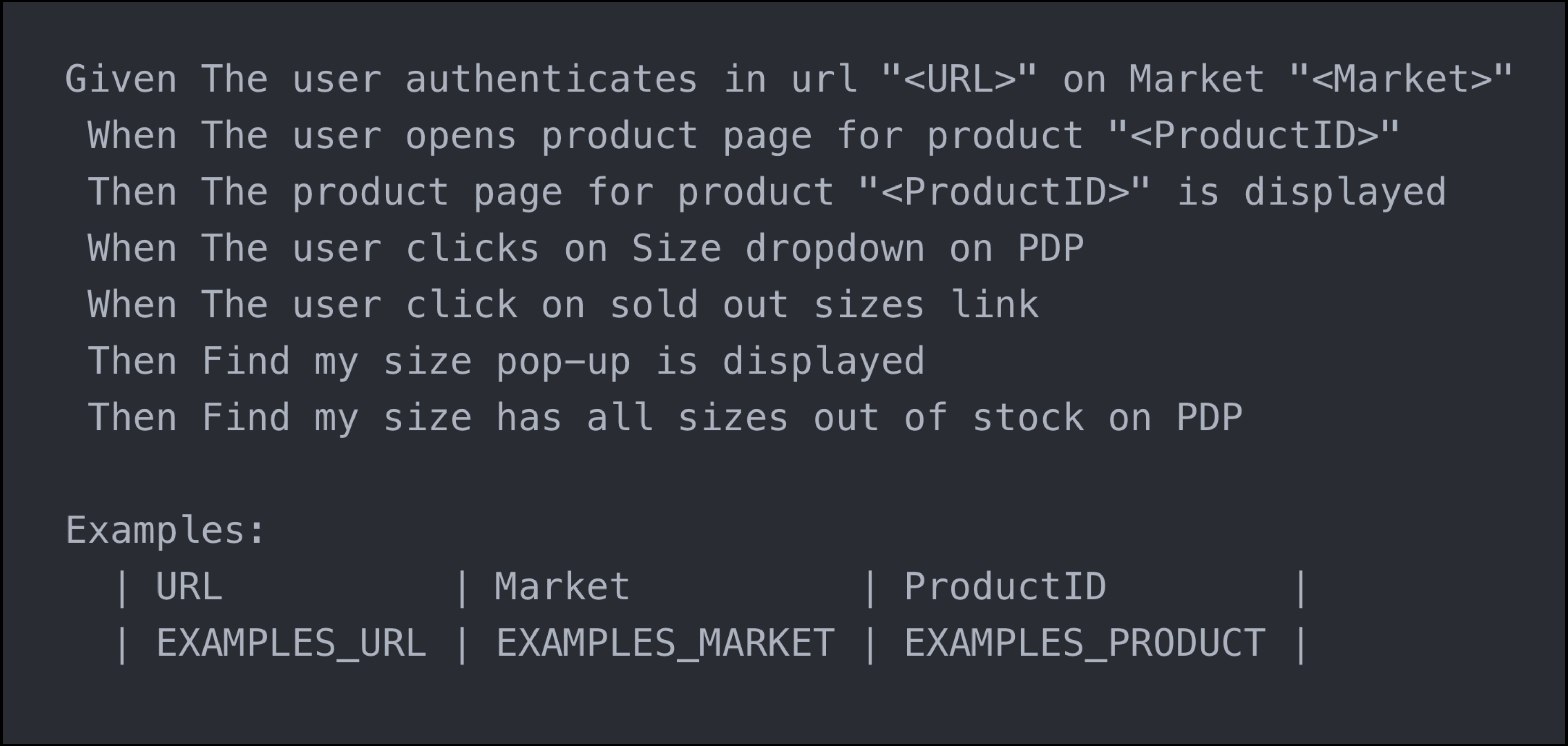
LEAD BY EXAMPLE

- Prioritise colleague
- Be active
- Do not push for same knowledge speed

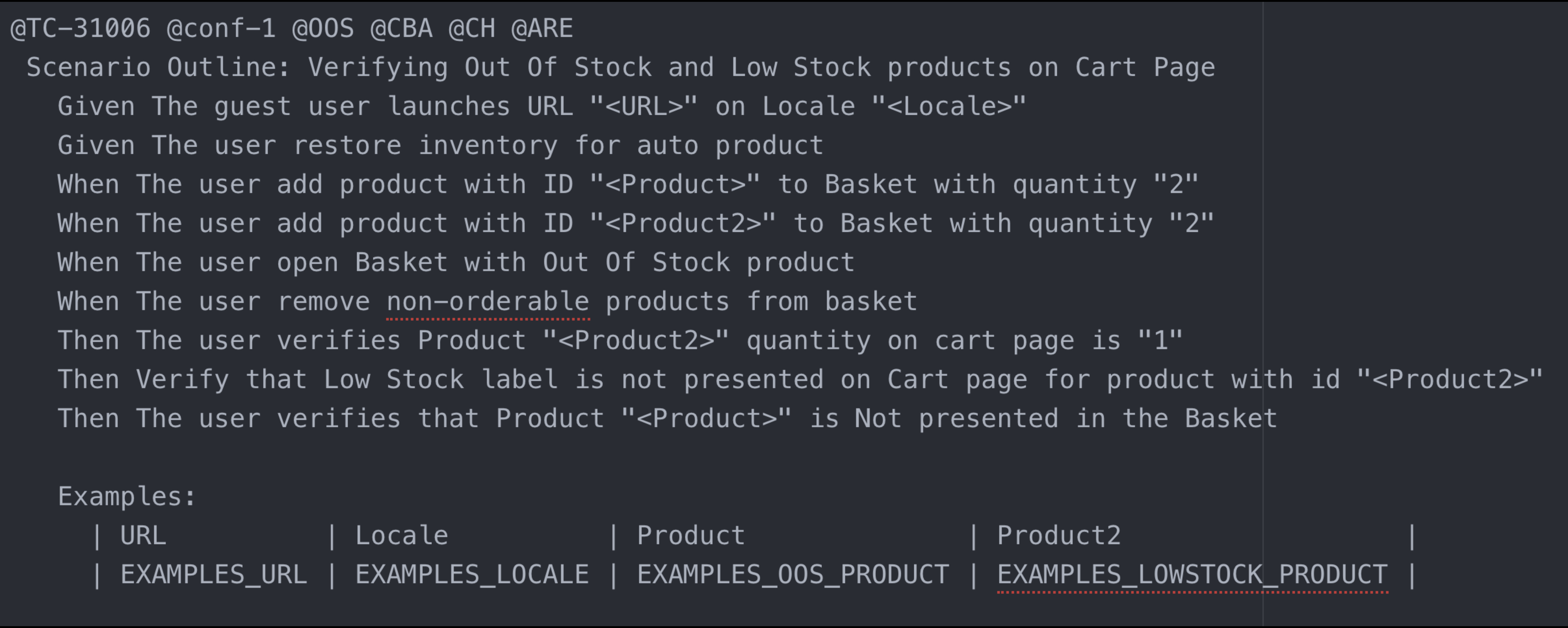
isobar

a dentsu company

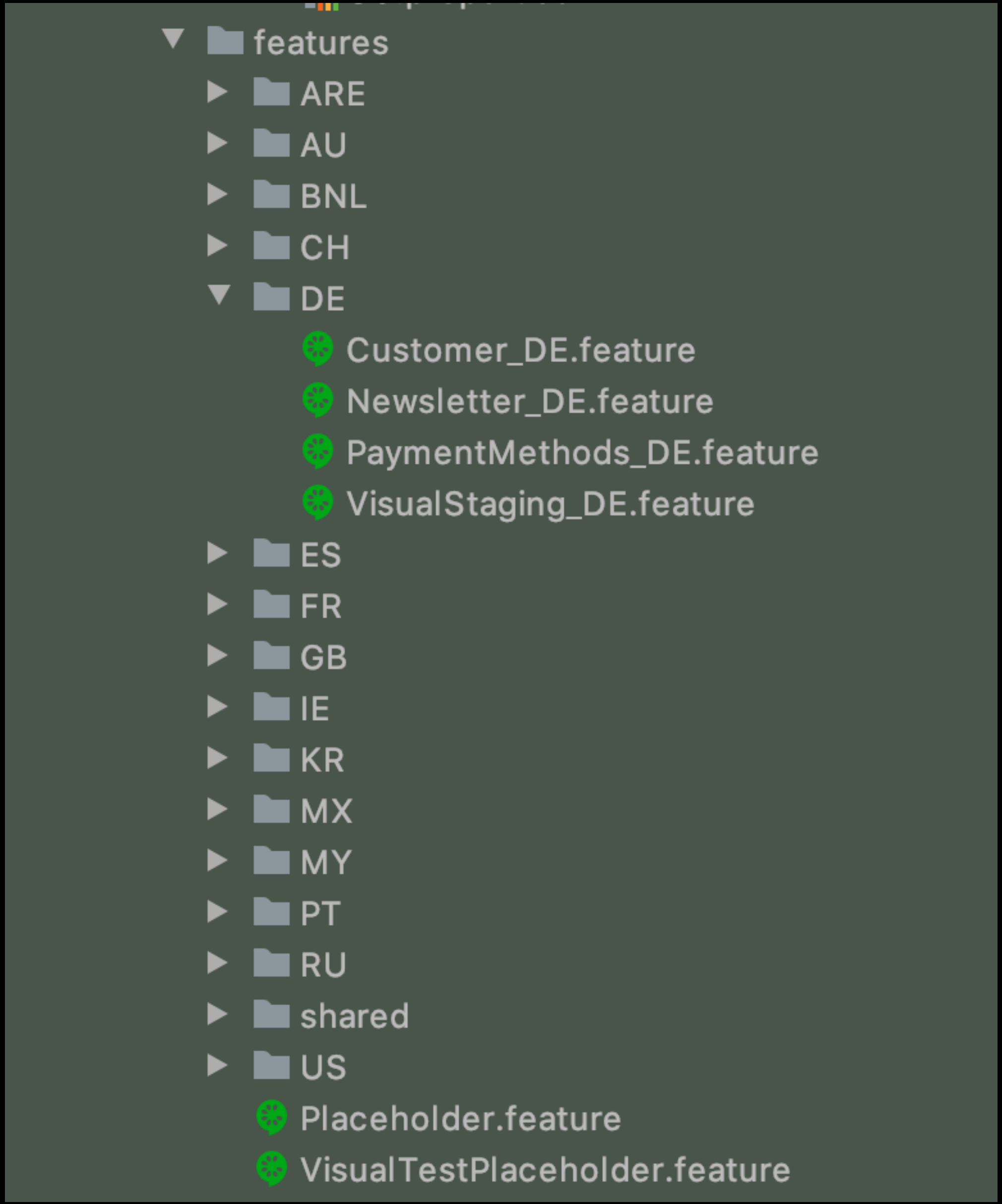
EXAMPLES



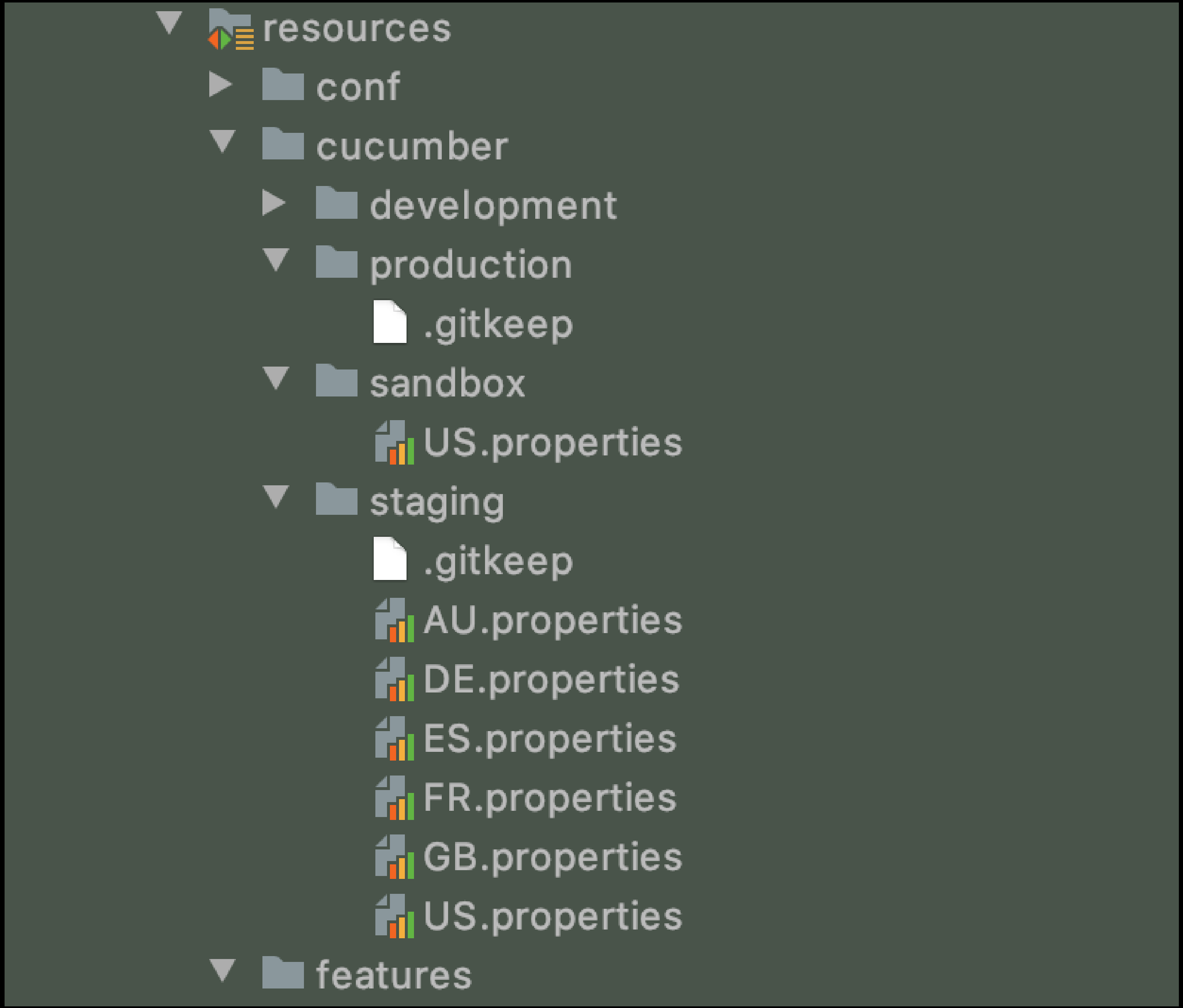
```
Given The user authenticates in url "<URL>" on Market "<Market>"
 When The user opens product page for product "<ProductID>"
 Then The product page for product "<ProductID>" is displayed
 When The user clicks on Size dropdown on PDP
 When The user click on sold out sizes link
 Then Find my size pop-up is displayed
 Then Find my size has all sizes out of stock on PDP

Examples:
  | URL          | Market          | ProductID        |
  | EXAMPLES_URL | EXAMPLES_MARKET | EXAMPLES_PRODUCT |
```



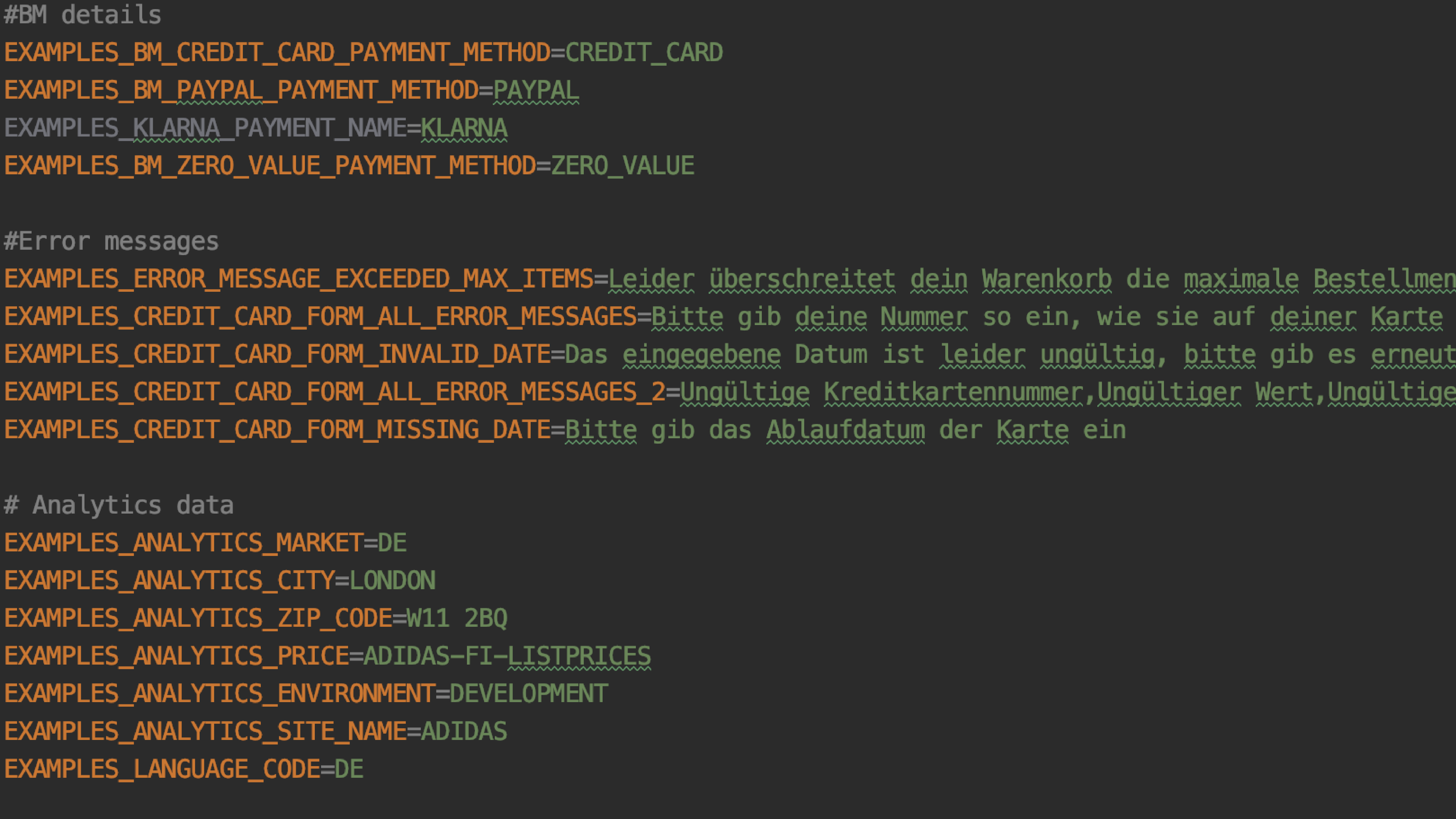
```
@TC-31006 @conf-1 @OOS @CBA @CH @ARE
 Scenario Outline: Verifying Out Of Stock and Low Stock products on Cart Page
   Given The guest user launches URL "<URL>" on Locale "<Locale>"
   Given The user restore inventory for auto product
   When The user add product with ID "<Product>" to Basket with quantity "2"
   When The user add product with ID "<Product2>" to Basket with quantity "2"
   When The user open Basket with Out Of Stock product
   When The user remove non-orderable products from basket
   Then The user verifies Product "<Product2>" quantity on cart page is "1"
   Then Verify that Low Stock label is not presented on Cart page for product with id "<Product2>"
   Then The user verifies that Product "<Product>" is Not presented in the Basket

   Examples:
     | URL          | Locale          | Product              | Product2                  |
     | EXAMPLES_URL | EXAMPLES_LOCALE | EXAMPLES_OOS_PRODUCT | EXAMPLES_LOWSTOCK_PRODUCT |
```



```
▼ features
    ▶ ARE
    ▶ AU
    ▶ BNL
    ▶ CH
    ▼ DE
        Customer_DE.feature
        Newsletter_DE.feature
        PaymentMethods_DE.feature
        VisualStaging_DE.feature
    ▶ ES
    ▶ FR
    ▶ GB
    ▶ IE
    ▶ KR
    ▶ MX
    ▶ MY
    ▶ PT
    ▶ RU
    ▶ shared
    ▶ US
    Placeholder.feature
    VisualTestPlaceholder.feature
```



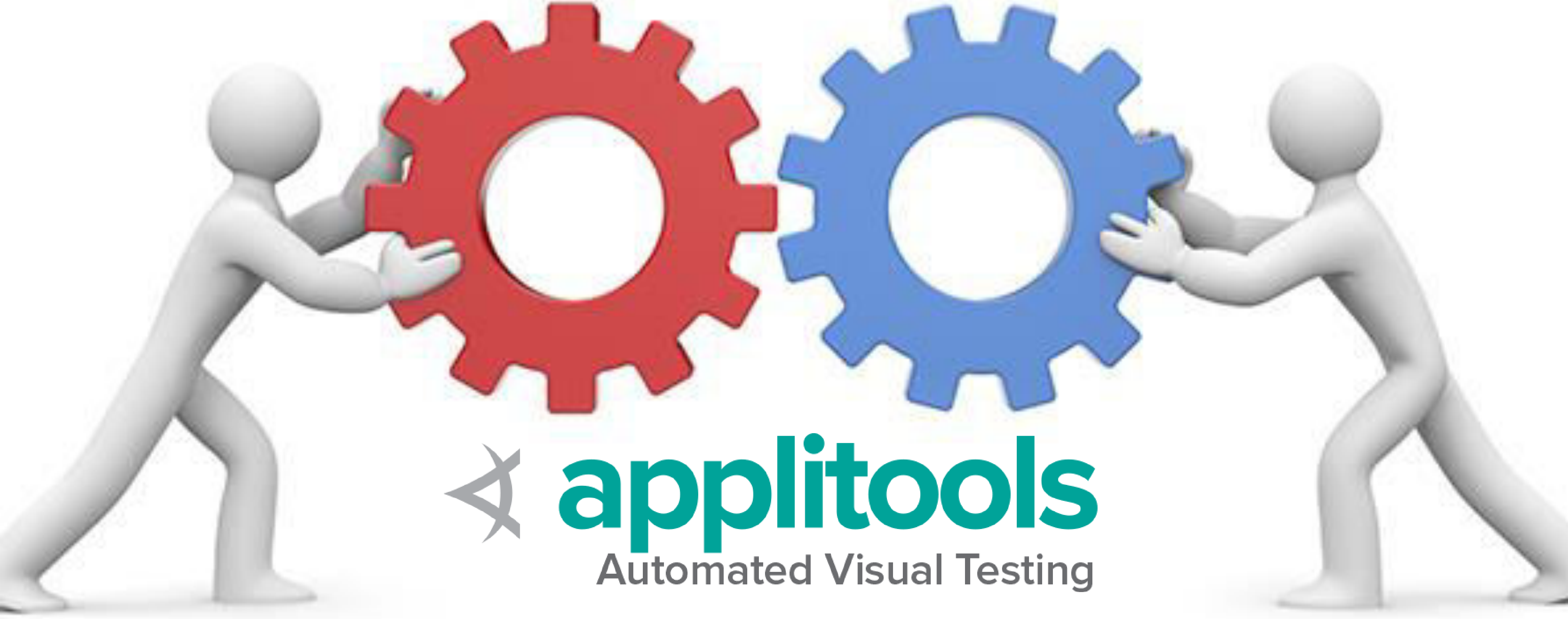
```
▼ resources
    ▶ conf
    ▼ cucumber
        ▶ development
        ▼ production
            .gitkeep
        ▼ sandbox
            US.properties
        ▼ staging
            .gitkeep
            AU.properties
            DE.properties
            ES.properties
            FR.properties
            GB.properties
            US.properties
    ▼ features
```



```
#BM details
EXAMPLES_BM_CREDIT_CARD_PAYMENT_METHOD=CREDIT_CARD
EXAMPLES_BM_PAYPAL_PAYMENT_METHOD=PAYPAL
EXAMPLES_KLARNA_PAYMENT_NAME=KLARNA
EXAMPLES_BM_ZERO_VALUE_PAYMENT_METHOD=ZERO_VALUE

#Error messages
EXAMPLES_ERROR_MESSAGE_EXCEEDED_MAX_ITEMS=Leider überschreitet dein Warenkorb die maximale Bestellmen
EXAMPLES_CREDIT_CARD_FORM_ALL_ERROR_MESSAGES=Bitte gib deine Nummer so ein, wie sie auf deiner Karte
EXAMPLES_CREDIT_CARD_FORM_INVALID_DATE=Das eingegebene Datum ist leider ungültig, bitte gib es erneut
EXAMPLES_CREDIT_CARD_FORM_ALL_ERROR_MESSAGES_2=Ungültige Kreditkartennummer,Ungültiger Wert,Ungültige
EXAMPLES_CREDIT_CARD_FORM_MISSING_DATE=Bitte gib das Ablaufdatum der Karte ein

# Analytics data
EXAMPLES_ANALYTICS_MARKET=DE
EXAMPLES_ANALYTICS_CITY=LONDON
EXAMPLES_ANALYTICS_ZIP_CODE=W11 2BQ
EXAMPLES_ANALYTICS_PRICE=ADIDAS-FI-LISTPRICES
EXAMPLES_ANALYTICS_ENVIRONMENT=DEVELOPMENT
EXAMPLES_ANALYTICS_SITE_NAME=ADIDAS
EXAMPLES_LANGUAGE_CODE=DE
```

10 viewports 36 markets 44 locales 4-5 urls

~40h work



applitools

Automated Visual Testing

Thank you!!